Regione Lombardia

Lombardy Green Chemistry Association

CIRCULAR INNOVATION:

MATERIALS, TECHNOLOGIES AND CREATIVITY TO REGENERATE THE FUTURE

THURSDAY **09** OCT

11:00 am - **1:00** pm
VIP Room, B2B Area
Italy Pavilion, Expo 2025 Osaka

EXPO 2025 | ITALIA

As part of **Sustainability Week** (October 5–13, 2025) at the Italy Pavilion, the Lombardy Region – DG for Environment and Climate – in collaboration with the Lombardy Green Chemistry Association, presents a workshop and an exhibition on **circular economy**, **bioeconomy**, **AI for sustainability**, **agri-food innovation**, and **urban regeneration**.

Participants will gain TED Talk–style corporate insights, explore an exhibition dedicated to sustainability solutions, and engage with a high-value network of Lombardy companies.

A unique opportunity to learn, network, and be inspired.

11.00 – 11.10

Institutional Opening

Welcome remarks by **Giorgio Maione**, Regional Minister for Environmental and Climate of the Lombardy Region and **Sergio Riva**, President of the Lombardy Green Chemistry Association. Introduction to the themes of **regenerative economy**, **circular innovation**, and **environmental well-being** within the context of Expo 2025 and Sustainability Week.

11.10 – 11.20

SDG12 for of regenerative economy, circular innovation, and environmental well-being

KEYNOTE SPEAKER:
Yasuhiko HOTTA, Reasearch Director at **IGES** (Institute for Global Environmental Strategies)

11.20 – 12.00

Circular Economy and Regenerative Materials

CASE STUDY:
The Blue Planet SpA, Vegea Srl, Smush Materials Srl, Montecolino SpA

Innovative **bio-based** and **green chemistry solutions** that transform **agri-food waste** into **sustainable materials** for construction, fashion, interior design, and packaging.
Use cases include **air-purifying mineral paints**, **vegan textiles** from **wine waste**, **compostable packaging** made from **mycelium**, and **circular flooring systems**.

12.00 – 12.20

Sustainable Water and Energy Management: Circular Innovations for a Clean Future

CASE STUDY:
Italbiotec Srl, Simbiosi

Technologies for **wastewater reuse**, **phosphorus recovery**, and **renewable energy** generation from industrial and agricultural by-products.
Highlighted approaches: integrated **water cycle management**, modular biotech for **energy-efficient treatment**, and decentralized energy production via **industrial symbiosis**.

12.20 – 12.45

Circular Economy in Care and Well-being: Sustainable Innovations in Cosmetics and Nutraceuticals

CASE STUDY:
BicT Srl, Roelmi HPC

Sustainable **innovation in cosmetics and nutraceuticals** through **bio-based ingredients** and **low-impact processes**.
Focus on functional actives from **renewable biomass** and **patented solutions** that combine efficacy with environmental responsibility.

12.45 – 13.00

Conclusion and Exhibition Visit

Final remarks and guided tour of the exhibition **"Regenerative Visions: Light, Matter, Art"** by **Luigi Christopher Veggetti**, featuring products from the case studies and artworks made with **bio-based pigments** and **Airlite technology**. During this time, **matchmaking meetings** can also be arranged to foster connections between **Italian and Japanese companies**.

AGENDA

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To register for the workshop, please sign up here: Osaka Expo 2025